



SAS Superstructure

Location: 04-SF-80-13.2 / 13.9

Client Name: CalTrans

Run date 21-Nov-14

Time 11:07 PM

Daily Diary Report by Bid Item

Contract No.: 04-0120F4

Diary #: 648 Const Calendar Day: 74

Date: 17-Aug-2012 Friday

Inspector Name: Bruce, Matt

Title: Transportation Engineer

Inspection Type: Intermittent

Shift Hours: 07:00 am 03:30 pm Break: 00:30 Over Time:

Federal ID:

Location:

Reviewer: Schmitt, Alex

Approved Date:

Status: Submit

04-0120F4
04-SF-80-13.2/13.9
Self-Anchored
Suspension Bridge

Weather

Temperature 7 AM 50 - 60 12 PM 60 - 70 4PM 60 - 70

Precipitation 0.00" Condition Sunny

Working Day ☐ If no, explain:

Diary:

Dispute

Work description.

- Escorted TY-Lin designers Hyat Tazir and Dan Turner to the bridge for analyzing the current location of the Shear Keys and Bearings at the E2 cap beam. The intent of this field visit was to have the designers see the actual conditions of the structural components. Also discussed was the type and technique of the localized measurements to be taken for analysis. The designers are concerned mainly with the longitudinal movement of the bridge at this location. The following is the measurements to be taken at this critical location of the bridge:

- 1.) Relationship of the actual distance between Lower Housing (Bearing and Shear Key) anchor rods holes, to the anchor rod hole blockout in the E2 concrete cap beam, to the 1.781 O/S line on the concrete placed by ABF surveyors.
- 2.) Parallelism measurement between the 1.781 O/S line on the concrete placed by ABF surveyors to the OBG punchmarks placed in China.
- 3.) Transverse Lower and Upper Housing measurements of the Shear Keys and Bearings

This list of measurements may not be complete at this time and may be revised once actual measurements commence.

- Began to assess the techniques and tools to be used for measuring the items listed above.

- Assisted Tai-Lin Liu, Laraine Woo and Victor Altamirano with taking measurements using the Caltrans #1 Extensometer. Elongation measurements for the following cable band bolts was taken:

South Sidespan: 26S7, 18S8

South Mainspan: 50S6, 58S9, 72S5, 72S8

See Tai and Laraine's diary for more details regarding the measurements and steel temperatures, etc. Victor and myself were essentially there to help operate the Extensometer.

Attachment



ddrRptbyBidItem

Daily Diary Report by Bid Item

Job Name: 04-0120F4

Inspector Name Bruce, Matt

Diary #: 648

Date: 17-Aug-2012 Friday



Seismic gap between the T1 tower and OBG lift 6 deck sections and Crossbeams 5 and 6.



Bearing B1 lower housing current position relative to the concrete blockouts in the E2 cap beam.